ODP-1779-77
2 September 1977

Mr. C. David Evans
GIM-II Project Manager
United States Department of Justice
Federal Bureau of Investigation
Washington, D.C. 20535

Dear Mr. Evans:

Documentation and Sample Job Control
Language for Various Load Modules

Enclosed is documentation and sample Job Control Language
(JCL) for some of the load modules in the GIM load library.
Using the list that you sent us, we determined what modules
are obsolete, what ones are utility programs (independent of
the GIM software), and so forth. The following paragraph briefly
summarizes the purpose of each of these programs and their
current status. Documentation and sample JCL has been supplied
only for those modules that are not obsolete and that can be
used by your installation as an independent utility. Please
remember that the JCL is a Sample and except for DD names,
should be checked and modified for your system specifications.

ANALZE is a PL/I program that prepares a file for use by
the PL/I programs RPTA, RPTB, RPTC, RPTD, RPTE, and RPTF.
The result of executing this stream is a series of reports
which analyze the GIM software from different aspects.
Illustration 1 is sample JCL and documentation for these modules..

ASMBLR A is an alias for the GIM assembler, GMA2, which
also resides in the load library.

The Communication Access Method (CAM) modules (CAMCOMMN,
CAMDD, CAMHETRA, CAMNET, CAMTI) are the terminal support
routines for the GIM-II system. These programs are essential
to the software and are not utility routines.

The following modules were written by TRW. We are not
using them at present; CARDCOPY, PDSPTPCH, SYSREPRO, TPPRINT.

CATALOG A is an alias for LOCATEX which also resides in
the load library. This routine is used by the CATALOG-LOCATE
option of the GIM-II system and is not a utility.

EXEC2 is the current executive controller of the GIM-II Software. EXEC0 was a test executive and is obsolete.

GAS, GIMS Accounting System, is an assembly language program which we are discontinuing. SMFGIMRP is the reporting part of this project.

GIMANAL is a PL/I program that analyzes a GIM data base. Illustration 2 is sample JCL and detailed documentation for this module.

GIMPUNCH is a PL/I program that punches transactions off of a GIM history tape. Illustration 3 is sample JCL and documentation for this module.

GIMRSTOR is a PL/I program that restores a GIM data base from a GIM ddump physical tape. Illustration 4 is sample JCL and documentation for this module.

PPSLIST is a PL/I program that prints a cross reference listing of all the modules used by the GIM-II software. Illustration 5 is sample JCL and documentation for this module.

SYSCHOP is an obsolete program.

VTOCLIST is an in-house utility program that prints a table of contents and track allocation map for a disk pack. The output is self-explanatory. Sample JCL is included as illustration 6.

Sincerely yours,

STATINTL

GIMS Division
Central Intelligence Agency

ILLUSTRATION 1

```
//ANALYZ JCB  JOB-CARD-ACCOUNTING-INFORMATION
//****************************************************************
//**                                                             *
//**FIRST PROGRAM FOR RUNNING THE ANALYSIS SERIES                *
//**                                                             *
//****************************************************************
// EXEC PGM=IEBPTPCH,REGION=124K
//SYSPRINT DD SYSOUT=A
//SYSUT1 DD DISP=SHR,DSN=GIM2.SOURCE,
//         DCB=(RECFM=FB,BLKSIZE=3520,LRECL=80)
//SYSUT2 DD UNIT=SYSDA,DISP=(NEW,PASS),DSN=&&HITHERE,
// SPACE=(CYL,(98,9)),DCB=(RECFM=F,BLKSIZE=81)
//SYSIN DD *
 PUNCH TYPORG=PO
/*
//GO EXEC PGM=ANALZE,REGION=124K,TIME=4
//STEPLIB DD DISP=SHR,DSN=GIM2.LOAD
//GO.SYSPRINT DD SYSOUT=A
//GO.STUFF DD DSN=&&HITHERE,DISP=(OLD,DELETE,DELETE)
//GO.INST DD DISP=SHR,DSN=GIM2.MACLIB(INST)
//GO.SPECIAL DD DISP=SHR,DSN=GIM2.MACLIB(SPECIAL)
//GO.PASS DD UNIT=(TAPE,,DEFER),DSN=GIM2.ANAL,LABEL=(,SL,RETPD=30),
// DISP=(NEW,KEEP),DCB=(RECFM=FB,BLKSIZE=3600,LRECL=60)
/*
```

ILLUSTRATION 1 (CONT'C)

```
//ANALRP1 JOB   JOB-CARD-ACCCUNTING-INFCRMATICN
// ***************************************************************
//**                                                             *
//** SECOND ANALYSIS PROGRAM-GENERATES REPCRTS 1, 2, 3, 3 1/2    *
//** REPORT 1:   PERCENTAGE USE OF PWS INSTRUCTIONS FOR ENTIRE SYSTEM *
//** REPORT 2:   SOFTWARE COMPUTER CCMFCNENT USE BY MCDE         *
//** REPORT 3:   REJCTR USAGE IN NUMERICAL ORDER (#/SET BY)      *
//** REPORT 3 1/2:  REJCTR USAGE BY MGDE (SETS/#)                *
//**                                                             *
// ***************************************************************
//GO EXEC PGM=RPTA,REGION=124K,TIME=3
//STEPLIB DD DISP=SHR,DSN=GIM2.LOAD
//GO.SYSPRINT DD SYSOUT=A
//GO.INST DD DISP=SHR,DSN=GIM2.MACLIB(DATTA)
//GO.STUFF DD UNIT=(2400,,DEFER),DSN=GIM2.ANAL,LABEL=(,SL),
//   DISP=(OLD,PASS),DCB=(RECFM=FB,BLKSIZE=3600,LRECL=60),
//   VOL=SER=123456
/*
//GOE EXEC PGM=RPTB,REGION=124K,TIME=3
//STEPLIB DD DISP=SHR,DSN=GIM2.LOAD
//GOB.SYSLMOD DD UNIT=SYSDA,SPACE=(1024,(50,20,1),,,ROUND)
//SYSLIN DD SPACE=(80,(150,10)),UNIT=SYSDA
//GOB.SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//GOB.SYSUT1 DD UNIT=(SYSDA,SEP=(SYSLIN,SORTLIB,SYSLMOD)),
//    SPACE=(1024,(60,60))
//GOB.SYSOUT DD SYSOUT=A
//GOB.SYSPRINT DD SYSOUT=A
//GOB.SORTIN DD UNIT=SYSDA,DSN=&&SI,DISP=(NEW,DELETE,DELETE),
// DCB=(RECFM=FB,BLKSIZE=1800,LRECL=20),SPACE=(CYL,(60,2))
//GOB.SORTOUT DD UNIT=SYSDA,DSN=&&SO,DISP=(NEW,DELETE,DELETE),
// DCB=(RECFM=FB,BLKSIZE=1800,LRECL=20),SPACE=(CYL,(60,2))
//GOB.SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOB.SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOB.SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOB.SORTWK04 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOB.SORTWK05 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOB.SORTWK06 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOB.TRANS DD DSN=GIM2.ANAL,DISP=(OLD,PASS),UNIT=(2400,,DEFER)
/*
//GOC EXEC PGM=RPTC,REGION=124K,TIME=3
//STEPLIB DD DISP=SHR,DSN=GIM2.LOAD
//GOC.SYSLMOD DD UNIT=SYSDA,SPACE=(1024,(50,20,1),,,ROUND)
//SYSLIN DD SPACE=(80,(150,10)),UNIT=SYSDA
//GOC.SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//GOC.SYSOUT DD SYSOUT=A
//GOC.SYSPRINT DD SYSOUT=A
//GOC.SORTIN DD UNIT=SYSDA,DSN=&&SI,DISP=(NEW,DELETE,DELETE),
// DCB=(RECFM=FB,BLKSIZE=1800,LRECL=20),SPACE=(CYL,(60,2))
//GOC.SORTOUT DD UNIT=SYSDA,DSN=&&SO,DISP=(NEW,DELETE,DELETE),
// DCB=(RECFM=FB,BLKSIZE=1800,LRECL=20),SPACE=(CYL,(60,2))
//GOC.SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOC.SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOC.SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOC.SORTWK04 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOC.SORTWK05 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOC.SORTWK06 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOC.TRANS DD DSN=GIM2.ANAL,DISP=(OLD,KEEP),UNIT=(2400,,DEFER)
/*
```

ILLUSTRATION 1 (CONT'D)

```
//ANALRP2 JOB  JOB-CARD-ACCOUNTING-INFORMATION
//****************************************************************************
//**                                                                        *
//** THIRD ANALYSIS PROGRAM-GENERATES REPORTS 4 THRU 8                      *
//** REPORT 4:   SOFTWARE COMPUTER COMPONENT USE BY COMPONENT               *
//** REPORT 5:   USE OF PWS INSTRUCTION BY DECK                             *
//** REPORT 6:   USE OF PWS INSTRUCTION BY INSTRUCTION                      *
//** REPORT 7:   EXIT POINTS FROM DECKS (FROM/TO)                           *
//** REPORT 8:   ENTRY POINTS TO DECKS (TO/FROM)                            *
//**                                                                        *
//****************************************************************************
//JOBLIB DD DISP=SHR,DSN=GIM2.LOAD
//GO EXEC PGM=RPTD,REGION=124K,TIME=3
//GO.SYSPRINT DD SYSOUT=A
//GO.SYSLIN DD SPACE=(80,(150,10)),UNIT=SYSDA
//GO.SYSLMOD DD UNIT=SYSDA,SPACE=(1024,(50,20,1),,,ROUND)
//GO.SORTLIB DD DSN=SYS1.SORTLIB,DISP=SHR
//GO.SYSUT1 DD UNIT=(SYSDA,SEP=(SYSLIN,SORTLIB,SYSLMOD)),
// SPACE=(1024,(60,60))
//GO.SYSOUT DD SYSOUT=A
//GO.SORTIN DD UNIT=SYSDA,DSN=&&SI,DISP=(NEW,DELETE,DELETE),
//   DCB=(RECFM=FB,BLKSIZE=1800,LRECL=20),SPACE=(CYL,(60,2))
//GO.SORTOUT DD UNIT=SYSDA,DSN=&&SO,DISP=(NEW,DELETE,DELETE),
//   DCB=(RECFM=FB,BLKSIZE=1800,LRECL=20),SPACE=(CYL,(60,2))
//GO.SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GO.SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GO.SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GO.SORTWK04 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GO.SORTWK05 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GO.SORTWK06 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GO.TRANS DD UNIT=(2400,,DEFER),DSN=GIM2.ANAL,LABEL=(,SL),
//   DISP=(OLD,PASS),DCB=(RECFM=FB,BLKSIZE=3600,LRECL=60),
//   VOL=SER=123456
/*
//GOE EXEC PGM=RPTE,REGION=124K,TIME=3
//GOE.SYSPRINT DD SYSOUT=A
//GOE.SYSLMOD DD UNIT=SYSDA,SPACE=(1024,(50,20,1),,,ROUND)
//GOE.SYSLIN DD SPACE=(80,(150,10)),UNIT=SYSDA
//GOE.SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//GOE.SYSUT1 DD UNIT=(SYSDA,SEP=(SYSLIN,SORTLIB,SYSLMOD)),
// SPACE=(1024,(60,60))
//GOE.SYSOUT DD SYSOUT=A
//GOE.SORTIN DD UNIT=SYSDA,DSN=&&SI,DISP=(NEW,DELETE,DELETE),
// DCB=(RECFM=FB,BLKSIZE=3600,LRECL=18),SPACE=(CYL,(80,2))
//GOE.SORTOUT DD UNIT=SYSDA,DSN=&&SO,DISP=(NEW,DELETE,DELETE),
// DCB=(RECFM=FB,BLKSIZE=3600,LRECL=18),SPACE=(CYL,(80,2))
//GOE.SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(90),RLSE,CONTIG)
//GOE.SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(90),RLSE,CONTIG)
//GOE.SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(90),RLSE,CONTIG)
//GOE.SORTWK04 DD UNIT=SYSDA,SPACE=(TRK,(90),RLSE,CONTIG)
//GOE.SORTWK05 DD UNIT=SYSDA,SPACE=(TRK,(90),RLSE,CONTIG)
//GOE.SORTWK06 DD UNIT=SYSDA,SPACE=(TRK,(90),RLSE,CONTIG)
```

```
//GOF.TRANS DD UNIT=(2400,,DEFER),DSN=GIM2.ANAL,DISP=(OLD,PASS)
/*
//GOF EXEC PGM=FPTF,REGION=124K,TIME=3
//GOF.SYSPRINT DD SYSOUT=A
//GOF.SYSLMOD DD UNIT=SYSDA,SPACE=(1024,(50,20,1),,,ROUND)
//GOF.SYSLIN DD UNIT=SYSDA,SPACE=(80,(150,10))
//GOF.SORTLIB DD DSNAME=SYS1.SORTLIB,DISP=SHR
//GOF.SYSUT1 DD UNIT=(SYSDA,SEP=(SYSLIN,SORTLIB,SYSLMOD)),
//           SPACE=(1024,(60,60))
//GOF.SYSOUT DD SYSOUT=A
//GOF.SORTIN DD UNIT=SYSDA,DSN=&&SI,DISP=(NEW,DELETE,DELETE),
//    DCB=(RECFM=FB,BLKSIZE=1800,LRECL=18),SPACE=(CYL,(60,2))
//GOF.SORTOUT DD UNIT=SYSDA,DSN=&&SO,DISP=(NEW,DELETE,DELETE),
//    DCB=(RECFM=FB,BLKSIZE=1800,LRECL=18),SPACE=(CYL,(60,2))
//GOF.SORTWK01 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOF.SORTWK02 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOF.SORTWK03 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOF.SORTWK04 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOF.SORTWK05 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOF.SORTWK06 DD UNIT=SYSDA,SPACE=(TRK,(80),RLSE,CONTIG)
//GOF.TRANS DD UNIT=(2400,,DEFER),DSN=GIM2.ANAL,DISP=(OLD,KEEP)
/*
```